

REQUEST FOR ACCESS OF ABANDONED APPLICATION UNDER 37 CFR 1.14(a)

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In re Application of	
Application Number	Filed
08/369 522	1-5-95
Group Art Unit	Examiner
	Yuen chen

Assistant Commissioner for Patents
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Paper No. #3

I hereby request access under 37 CFR 1.14(a)(3)(iv) to the application file record of the above-identified ABANDONED application, which is: (CHECK ONE)

- (A) referred to in United States Patent Number 6 028 584, column _____
- (B) referred to in an application that is open to public inspection as set forth in 37 CFR 1.11, i.e., Application No. _____, filed _____, on page _____ of paper number _____,
- (C) an application that claims the benefit of the filing date of an application that is open to public inspection, i.e., Application No. _____, filed _____, or
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US006028599A

H5

United States Patent

[19]

Yuen et al.

[11] Patent Number: **6,028,599**[45] Date of Patent: **Feb. 22, 2000**[54] **DATABASE FOR USE IN METHOD AND APPARATUS FOR DISPLAYING TELEVISION PROGRAMS AND RELATED TEXT**

[76] Inventors: **Henry C. Yuen**, P. O. Box 1159, Redondo Beach, Calif. 90278; **Daniel S. Kwoh**, 3975 Hampstead Rd., La Canada/Flintridge, Calif. 91011; **Roy J. Mankovitz**, 18057 Medley Dr., Encino, Calif. 90278; **Elsie Y. Leung**, 1302 Via Del Rey, South Pasadena, Calif. 91030

[21] Appl. No.: **08/728,614**[22] Filed: **Oct. 10, 1996****Related U.S. Application Data**

[63] Continuation-in-part of application No. 08/475,395, Jun. 7, 1995, which is a continuation-in-part of application No. 08/424,863, Apr. 17, 1995, abandoned, which is a continuation-in-part of application No. 08/369,522, Jan. 5, 1995, abandoned, which is a continuation-in-part of application No. 08/312,863, Sep. 27, 1994, abandoned, which is a continuation-in-part of application No. 08/298,997, Aug. 31, 1994, abandoned.

[51] Int. Cl.⁷ **H09Y 5/445**[52] U.S. Cl. **345/327; 348/565; 348/906**

[58] Field of Search **345/327; 348/6, 348/7, 8, 10, 12, 13, 565, 567, 568, 731, 734, 906**

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Primary Examiner—Nathan Flynn*Attorney, Agent, or Firm*—Christie, Parker & Hale, LLP[57] **ABSTRACT**

A database consisting of inventive data structures is used to facilitate the creation of electronic program guides when used with a television program schedule system. The database is periodically updated with television program schedule information and is interrogated by a schedule system in order to create program guides.

30 Claims, 14 Drawing Sheets

PRE-ESTABLISHED TIME LIST														313			
TODAY AM		TODAY PM		TOMORROW AM		TOMORROW PM		313									
12	-4	4	-8	8	-12	12	-4	4	-8	8	-12	12	-4	4	-8	8	-12
A ₁	B ₁	C ₁	D ₁	E ₁	F ₁	G ₁	H ₁	I ₁	J ₁	K ₁	L ₁						
A ₂	B ₂	C ₂	D ₂	E ₂	F ₂	G ₂	H ₂	I ₂	J ₂	K ₂	L ₂						
A ₃	B ₃	C ₃	D ₃	E ₃	F ₃	G ₃	H ₃	I ₃	J ₃	K ₃	L ₃						
A ₄	B ₄	C ₄	D ₄	E ₄	F ₄	G ₄	H ₄	I ₄	J ₄	K ₄	L ₄						
N	A _N	B _N	C _N	D _N	E _N	F _N	G _N	H _N	I _N	J _N	K _N	L _N					

N—THE MAXIMUM NUMBER OF CHANNELS